

# MPUMELELO TSOTSHA

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Azure DevOps: [https://dev.azure.com/SWLKAL001/PaintManagement/\\_git/PaintManagement](https://dev.azure.com/SWLKAL001/PaintManagement/_git/PaintManagement)

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## EDUCATION

2018 JUNE TO 2021 NOVEMBER

### INFORMATION SYSTEMS (BACHELOR OF COMMERCE)

UNIVERSITY OF CAPE TOWN

- Relevant Coursework: Systems Development. Object oriented programming in Python, Java, and C#. User experience design in HTML, CSS and JavaScript
- Awarded certificate in recognition of Leadership and Service
- Awarded certificate in recognition of outstanding performance in UCT soccer team

2015

### MATRIC (NATIONAL SENIOR CERTIFICATE)

CLAREMONT HIGH SCHOOL

- Awarded the National Science Olympiad (SAASTA) award, and came in the top 100 participants (53<sup>rd</sup> place) in the country
- Awarded the Principal's Award. This award is awarded to a matriculant with the finest qualities of character
- Awarded the Siyaphambili Leadership Award

## EXPERIENCE

2020

### FULL STACK SOFTWARE DEVELOPMENT, WEBSITE AND SYSTEMS DEVELOPMENT FOR A SOLE PROPRIETOR (THE GREEN GECKO FRAMES)

UNIVERSITY OF CAPE TOWN

- Collaborated in building a software-based platform for stock management, sales, and customer management system for The Green Gecko Frames sole proprietor. This was a final year project for the Systems Development module
- Facilitated team collaboration through source control (Git) on Azure DevOps
- Implemented object-oriented programming for backend infrastructure with C#
- Implemented the frontend user interface using HTML, CSS, and JavaScript programming languages
- Created database using SQL and implemented CRUD functionality with LINQ
- Rendered BI dashboard using JavaScript library (Chart.js)
- Compiled a Business Case, User Requirements Specification document (URS) and System Specification Document (SSD) for the software

**2020**

## **BUSINESS PROCESS REDESIGN FOR CITY OF CAPE TOWN LAND USE MANAGEMENT**

UNIVERSITY OF CAPE TOWN AND ERNST & YOUNG

- Collaborated in redesigning the business process for the City of Cape Town Land Use Management system. This was a final year project for the Business Process Redesign module
- Conducted stakeholder interviews to construct customer/user requirements and specifications for the redesigned system
- Compiled a Business Process and Data Analysis report
- Developed a business value chain for the City of Cape Town Land Use Management department
- Compiled a business case, stakeholder analysis, and process-redesign model

**2019**

## **SUBCOMMITTEE, UNIVERSITY OF CAPE TOWN INVESTMENT SOCIETY**

UNIVERSITY OF CAPE TOWN

- The UCT Investment Society (UCT InvestSoc) is a student lead initiative with just under 1100 members from across all faculties in UCT. Its aim is to bridge the gap between university and the corporate world by hosting approximately 30 events each year consisting of networking events, interactive workshops, and keynote speakers.
- Headed the Corporate Relations portfolio, which is responsible for liaising with company representatives for workshop sponsorships and keynote speakers.

## **SKILLS**

- Leadership: Headed Corporate Relations portfolio for UCT InvestSoc society
- Liaison and Negotiator: negotiated with company representatives to be guest speakers for InvestSoc events and secure sponsors
- Team Player: Worked in a collaborative environment for software development and business process redesign project

## **COMPUTING SKILLS**

- C#
- Java
- Python
- SQL
- HTML
- CSS
- JavaScript
- LINQ

## **ACTIVITIES AND INTERESTS**

Sports:

- University of Cape Town Football Club (Ikey Warriors)
- Obz Square Pool Club

Community Service:

- Church media team member

## **REFEREES**

- Elsje Scott, Associate Professor: University of Cape Town Information Systems Department –  
Cell: 0824159285
- Gwamaka Mwalemba, Lecturer: University of Cape Town Information System Department –  
Cell: 0216502582
- Luc Janssens, Project Manager: UCT InvestSoc –  
Cell: 0797389778